

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	1	10/760536	US-PGPUB; USPAT	OR	ON	2009/07/28 09:11
S8	328	"399"/\$.ccls. and (led expos\$4) near (press\$3 bias\$3)	US-PGPUB; USPAT	OR	ON	2009/07/28 10:03
S9	20	"399"/\$.ccls. and (led near (press\$3 bias\$3))	US-PGPUB; USPAT	OR	ON	2009/07/28 10:08
S10	0	"399"/\$.ccls. and (led near (press\$3 bias\$3)) with axial	US-PGPUB; USPAT	OR	ON	2009/07/28 10:10
S11	368	"399"/\$.ccls. and (led expos\$3 near (press\$3 bias \$3)) with (axis axial)	US-PGPUB; USPAT	OR	ON	2009/07/28 10:11
S12	2	"399"/\$.ccls. and ((led expos\$3) near (press\$3 bias\$3)) with (axis axial)	US-PGPUB; USPAT	OR	ON	2009/07/28 10:17
S13	102	"399"/\$.ccls. and ((led expos\$3) with (press\$3 bias\$3)) with (axis axial)	US-PGPUB; USPAT	OR	ON	2009/07/28 10:17
S14	62	"399"/\$.ccls. and ((led exposure exposing) with (press\$3 bias\$3)) with (axis axial)	US-PGPUB; USPAT	OR	ON	2009/07/28 10:21
S15	64	"399"/\$.ccls. and ((led exposure exposing) with (press\$3 elastic bias\$3)) with (axis axial)	US-PGPUB; USPAT	OR	ON	2009/07/28 12:29
S16	62	"399"/\$.ccls. and ((led exposure exposing) with (press\$3 bias\$3)) with (axis axial)	US-PGPUB; USPAT	OR	ON	2009/07/28 12:29
S17	2	S15 not S16	US-PGPUB; USPAT	OR	ON	2009/07/28 12:29
S18	100	"399"/\$.ccls. and ((led exposure exposing) with (press\$3 bias\$3)) with (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/28 12:31

S19	85	"399"/\$.cls. and ((led exposure exposing) with (press\$3 bias\$3)) with (axis axial parallel perpendicular) and (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) with (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/28 12:39
S20	2498	(399/113 399/112 399/111 399/110 399/107).cls.	US-PGPUB; USPAT	OR	ON	2009/07/28 13:43
S21	117	"399"/\$.cls. and ((led exposure exposing) with (press\$3 elastic spring bias \$3)) with (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/28 13:47
S22	190	(399/113 399/112 399/111 399/110 399/107).cls. and "light emitting diode"	US-PGPUB; USPAT	OR	ON	2009/07/28 14:06
S23	204	(399/113 399/112 399/111 399/110 399/107 399/117).cls. and "light emitting diode"	US-PGPUB; USPAT	OR	ON	2009/07/28 14:10
S25	942	(399/113 399/112 399/111 399/110 399/107 399/117).cls. and "LED"	US-PGPUB; USPAT	OR	ON	2009/07/28 14:12
S26	254	399/117.cls.	US-PGPUB; USPAT	OR	ON	2009/07/28 14:16
S27	3184	(Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near4 (support\$3 mount\$) with (exposure exposing led) near4 (support\$3 mount\$3)	US-PGPUB; USPAT	OR	ON	2009/07/28 14:31

S28	115	(Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near4 (support\$3 mount\$) with (exposure exposing led) near4 (support\$3 mount\$3) with (press\$4 bias\$3)	US-PGPUB; USPAT	OR	ON	2009/07/28 14:32
S29	122	(Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near4 (support\$3 mount\$) with (exposure exposing led) near4 (support\$3 mount\$3) with (press\$4 spring elastic bias \$3)	US-PGPUB; USPAT	OR	ON	2009/07/28 14:32
S30	2	"0515051"	US-PGPUB; USPAT	OR	ON	2009/07/28 14:36
S31	2	"0515051"	US-PGPUB; USPAT; JPO	OR	ON	2009/07/28 14:36
S32	0	"0515051"	JPO	OR	ON	2009/07/28 14:36
S33	0	"515051"	JPO	OR	ON	2009/07/28 14:37
S34	1	"05015051"	JPO	OR	ON	2009/07/28 14:37
S35	172	347/138.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/28 14:57
S36	39	g03g\$.ipc. and LED and (mount\$3 hous\$3) and (elastic spring press\$4 bias \$3)	JPO	OR	ON	2009/07/28 15:04
S37	47	("399"/\$ "347"/\$).ccls. and LED adj2 (array head expos\$3) with (mount\$3 hous\$3 support\$3) with (bias\$3 press\$3 pressur\$3 spring elastic)	US-PGPUB; USPAT	OR	ON	2009/07/28 15:11

S40	10	("399"/\$ "347"/\$).cds. and LED adj2 (array head expos\$3) with (mount\$3 hous\$3 support\$3) with (bias\$3 press\$3 pressur\$3 spring elastic) same (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/28 15:30
S41	20	("4478504" "4525729" "4575739" "4640601" "4651176").PN. OR ("4743927").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/28 15:33
S42	61	("399"/\$ "347"/\$).cds. and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support\$3) with (bias\$3 press\$3 pressur\$3 spring elastic) same (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/28 15:38
S43	10	G03g\$.ipc. and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support \$3) with (bias\$3 press\$3 pressur\$3 spring elastic) same (axis axial parallel perpendicular)	JPO	OR	ON	2009/07/28 15:49
S44	2	("5153644" "6119536"). PN. OR ("7502045"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/29 08:18
S45	93	("399"/\$ "347"/\$).cds. and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support\$3) with (bias\$3 press\$3 pressur\$3 spring screw\$3 fasten\$3 elastic) same (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/29 08:23
S46	61	("399"/\$ "347"/\$).cds. and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support\$3) with (bias\$3 press\$3 pressur\$3 spring elastic) same (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/29 08:24
S47	32	S45 not S46	US-PGPUB; USPAT	OR	ON	2009/07/29 08:24

S48	3	"5475484"	USPAT	OR	ON	2009/07/29 12:02
S49	93	("399"/\$ "347"/\$).cds. and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support\$3) with (bias\$3 press\$3 pressur\$3 spring screw\$3 fasten\$3 elastic) same (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/29 12:29
S50	93	("399"/\$ "347"/\$).cds. and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support\$3) with (bias\$3 press\$3 pressur\$3 spring screw\$3 fasten\$3 elastic) same (axis axial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/29 12:30
S51	93	("399"/\$ "347"/\$).cds. and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support\$3) with (bias\$3 press\$3 pressur\$3 spring screw\$3 fasten\$3 elastic) same (axis axial radial parallel perpendicular)	US-PGPUB; USPAT	OR	ON	2009/07/29 12:35
S52	6	("399"/\$ "347"/\$).cds. and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support\$3) with (radial) with (Photoreceptor photoreceiving photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)	US-PGPUB; USPAT	OR	ON	2009/07/29 12:37

S53	129	("399"/\$ "347"/\$).ccls and (exposing exposure LED adj2 (array head expos\$3)) with (mount\$3 hous\$3 support\$3) with (radial distance) with (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)	US-PGPUB; USPAT	OR	ON	2009/07/29 12:38
S54	7	("3890038" "4257054" "4258372" "4703334" "5339132" "6055006"). PN. OR ("6801232"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/29 12:45
S55	1	10/115677	US-PGPUB	OR	ON	2009/07/29 17:08
S56	107	(fujiwara near daisuke).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/29 17:12
S57	13	(fujiwara near daisuke).in. and (expos\$3 LED)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/29 17:13
S58	2908	(399/113 399/112 399/111 399/110 399/107 399/117 347/138).ccls.	US-PGPUB; USPAT	OR	ON	2009/11/06 09:30
S59	81	(399/113 399/112 399/111 399/110 399/107 399/117 347/138).ccls. and @pd> "20090729"	US-PGPUB; USPAT	OR	ON	2009/11/06 09:30
S60	1	"4743927".pn.	US-PGPUB; USPAT	OR	ON	2009/11/06 09:35
S61	20	("4478504" "4525729" "4575739" "4640601" "4651176").PN OR ("4743927").URPN	US-PGPUB; USPAT, USOCR	OR	ON	2009/11/06 09:36
S62	307	("399"/\$ ccls "347"/\$ ccls) and Led near array with mount\$3	US-PGPUB; USPAT, USOCR	OR	ON	2009/11/06 09:45

S63	41	("399"/\$.ccls. "347"/\$.ccls.) and Led near array with mount\$3 and (drum photosensitive photorecept \$3 image) near2 (frame holder)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 09:49
S64	105	("399"/\$.ccls. "347"/\$.ccls.) and Led near array with mount\$3 and (drum photosensitive photorecept \$3 image) near5 (frame holder support)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 09:49
S65	3623	("399"/\$.ccls. "347"/\$.ccls.) and (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near3 (frame hold \$3 support\$3) and axial near3 direction	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:34
S66	360	("399"/\$.ccls. "347"/\$.ccls.) and (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near3 (frame hold \$3 support\$3) and axial near3 direction with clean \$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:35
S67	671	("399"/\$.ccls. "347"/\$.ccls.) and (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near3 (frame hold \$3 support\$3) and axial near3 direction with (bias \$3 urg\$3 forc\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:37

S68	139	("399"/\$.ccls. "347"/\$.ccls.) and (Photoreceptor photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near3 (frame hold \$3 support\$3) and axial near3 direction with (bias \$3 urg\$3 forc\$3) with spring	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:43
S69	3	("399"/\$.ccls. "347"/\$.ccls.) and (Photoreceptor photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near3 (frame hold \$3 support\$3) same axial near3 direction with (bias \$3 urg\$3 forc\$3) with spring	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:57
S70	572	("399"/\$.ccls. "347"/\$.ccls.) and (Photoreceptor photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near3 (frame hold \$3 support\$3) same axial near3 direction	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/03 11:57
S71	106	("399"/\$.ccls. "347"/\$.ccls.) and (Photoreceptor photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near3 (frame hold \$3 support\$3) same axial near3 direction same (bias \$3 spring)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/03 11:58

S72	29	("399"/\$.ccls. "347"/\$.ccls.) and (Photoreceptor photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) near3 (frame hold \$3 support\$3) same axial near3 direction with (bias \$3 spring)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/03 11:59
S73	629	drum adj2 (frame support supporting house housing) same (axial near4 direction)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/08 15:00
S74	23	drum adj2 (frame support supporting house housing) same (axial near4 direction) near7 (press pressed pressing urge urging urged)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/08 15:01
S75	72	drum adj2 (frame support supporting house housing) same (exposure exposing scanning scanner) adj2 (frame support supporting house housing)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/08 15:16
S76	3	drum adj2 (frame support supporting house housing) same (exposure exposing scanning scanner) adj2 (frame support supporting house housing) same (press pressed pressing urge urging urged bias biasing biased) near10 (side end direction)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/08 15:18
S77	0	(Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)adj drum and drum adj2 (frame support supporting house housing) same (exposure exposing scanning scanner) adj2 (frame support supporting house housing) same (press pressed pressing urge urging urged bias biasing biased) near10 (side end direction)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/08 15:19

S78	26	(Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)adj drum and drum adj2 (frame support supporting house housing) same (exposure exposing scanning scanner) adj2 (frame support supporting house housing)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/08 15:20
S79	1	"6408142".pn.	US-PGPUB; USPAT	OR	ON	2010/01/08 15:54
S80	90	Fujiwara near daisuke.in.	JPO	OR	ON	2010/01/08 16:04
S81	10	Fujiwara near daisuke.in. and (exposure exposing exposed expose LED light adj2 diode scanner scan scanned scanning writing write writer)	JPO	OR	ON	2010/01/08 16:06
S82	246	("399"/\$ "347"/\$).cds. and (LED light adj2 diode) near10 (expose exposure exposing writer writing write)	JPO	OR	ON	2010/01/08 16:12
S83	5263	("399"/\$ "347"/\$).cds. and (LED light adj2 diode) near10 (expose exposure exposing writer writing write)	US-PGPUB; USPAT; JPO	OR	ON	2010/01/08 16:12
S84	859	("399"/\$ "347"/\$).cds. and (LED light adj2 diode) near10 (expose exposure exposing writer writing write) and (LED light adj2 diode expose exposure exposing writer writing write) near10 (bias biasing biased urge urging urged press pressure pressing pressuring pressured pressurizing pressurized force forced)	US-PGPUB; USPAT; JPO	OR	ON	2010/01/08 16:15

S85	2	("399"/\$.ccls. "347"/\$.ccls. and (LED light adj2 diode) near10 (expose exposure exposing writer writing write) and (LED light adj2 diode expose exposure exposing writer writing write) near10 (bias biasing biased urge urging urged press pressure pressing pressuring pressured pressurizing pressurized force forced) with (axial near2 direction)	US-PGPUB; USPAT; JPO	OR	ON	2010/01/08 16:16
S86	6	("4470689").PN. OR ("5752133").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/08 17:07
S87	717	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 10:10
S88	69	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array with (frame support supporting supported holder holding held hold)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 10:11
S89	0	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array with (frame support supporting supported holder holding held hold) and (LED "light emitting diode") near array near10 (bias biased biasing urge urging urged) with direction	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 10:16
S90	71	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array with (frame support supporting supported holder holding held hold house housing housed)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 10:32

S91	58	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array with (frame support supporting supported holder holding held hold house housing housed) and (frame support supporting supported holder holding held hold house housing housed) near5 (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 10:33
S92	22	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array with (frame support supporting supported holder holding held hold house housing housed) and (frame support supporting supported holder holding held hold house housing housed) near5 (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) and cartridge	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:12
S93	11	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array with (frame support supporting supported holder holding held hold house housing housed) same (frame support supporting supported holder holding held hold house housing housed) near5 (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:19

		photosensitive image imaging) and cartridge				
S94	22	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array same (frame support supporting supported holder holding held hold house housing housed) near5 (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging) and cartridge	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:20
S95	53	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near array same (frame support supporting supported holder holding held hold house housing housed) near5 (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:20
S96	62	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near (array exposing exposier writer) same (frame support supporting supported holder holding held hold house housing housed) near5 (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:38

S97	64	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near (array exposing exposer writer writing) same (frame support supporting supported holder holding held hold house housing housed) near5 (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:39
S98	11	S97 not S95	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:39
S99	75	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near (array exposing exposer writer writing print printing printer) same (frame support supporting supported holder holding held hold house housing housed) near5 (Photoreceptor photorecepting photoconductive photoconductor photoconducting PC OPC photosensitive image imaging)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:40
S100	22	S99 not S95	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:41
S101	80	("399"/\$.ccls. "347"/\$.ccls.) and tandem and (LED "light emitting diode") near (array exposing exposer writer writing print printing printer) same cartridge	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 11:57
S102	75	("399"/\$.ccls. "347"/\$.ccls.) and (exposure exposing writing writer) with (LED light adj emitting adj diode) with (bias biasing biased spring elastic urging urged)	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/11 15:00

S103	417	(399/113 399/112, 399/111 399/110 399/117 347/138).ocls. and @pd> "20090101"	US-PGPUB; USPAT	OR	ON	2010/04/26 10:39
S104	30	(399/113 399/112, 399/111 399/110 399/117 347/138).ocls. and @pd> "20090101" and LED near2 array	US-PGPUB; USPAT	OR	ON	2010/04/26 10:40
S113	1	"6006058".pn.	US-PGPUB; USPAT	OR	ON	2010/04/26 12:34
S114	1	"6029032".pn.	US-PGPUB; USPAT	OR	ON	2010/04/26 12:35
S115	1	"6169866".pn.	US-PGPUB; USPAT	OR	ON	2010/04/26 12:35
S116	1	"6324363".pn.	US-PGPUB; USPAT	OR	ON	2010/04/26 12:36
S117	1	"6330409".pn.	US-PGPUB; USPAT	OR	ON	2010/04/26 12:36
S118	1	"08030175"	JPO	OR	ON	2010/04/26 12:37
S119	1	"10153937"	JPO	OR	ON	2010/04/26 12:39

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